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Internet Protocol Data Mirroring

ABSTRACT OF THE DISCLOSURE ~~Abstract~~

5 A method, system, and computer program product for mirroring data in
a computer network is described. At least one connection is established between
a local storage server and a mirror storage server. A primary storage request is
received from a network host at the local storage server. A mirror storage request
is sent across the established at least one connection from the local storage server,
wherein the mirror storage request corresponds to the received primary storage
request. The mirror storage request is processed at the mirror storage server. A
10 first heartbeat signal is sent from the local storage server to the mirror storage
server. A second heartbeat signal is sent from the mirror storage server to the
local storage server. Data of the received mirror storage request is stored in a
mirror storage device corresponding to a primary storage device. A response is
sent across the established at least one connection from the mirror storage server,
15 wherein the response indicates whether the storing of data of the received mirror
storage request step was successful. An interruption may be detected in the
second heartbeat signal at the local storage server. The established at least one
connection is closed. Mirror storage requests are queued. The second heartbeat
signal is received at the local storage server after the detected interruption of the
20 second heartbeat signal. The closed at least one connection is re-established. The
queued mirror storage requests are sent across the re-established at least one
connection after the re-establishing step.

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